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**Contents of foreign educational periodicals.**


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*Central-organ für die Interessen des Realschulwesens*, December issues. — Zweikämpfe zwischen Sprichwörtern, Dr. Friedrich — Womit muss der englische Unterricht in Deutschland beginnen? Dr. Ernst Friedrich. — Die Einheitsschule. — Nachrichten, Bücher. — Anzeigen, u.s.w.

*Zeitschrift für das Realschulwesen*. — Die Bezeichnung der Aussprache in den englischen Lehrbüchern, Prof. J. Resch. — Ueber das sphärische Dreieck, Eduard Grohmann. — Schulnachrichten, Recensionen, u.s.w.

*Revue internationale de l'enseignement*, Jan. 15. — La question des universités françaises, Ernest Lavisse. — La réforme des études juridiques en Allemagne, Georges Blondel. — Histoire de la civilisation dans le sud-ouest de la France, Camille Julian. — Un professeur français; M. Belot, M. Bayet. — Chronique, correspondance, nouvelles et informations, bibliographie, etc.

*Revue de Géographie*, December. Des rapports entre les populations et le climat sur les bords européens de la Méditerranée, M. Vidal-Lablache. — La société de topographie de France et l'école de géographie, M. Bardoux. — De la constitution de la science géographique, M. L. Drapeyron. — De la topographie appliquée à la colonisation de la côte occidentale d'Afrique, M. Ch. Borer. — Le mouvement géographique, M. Delavaud.

*Revue de l'enseignement secondaire*, Jan. 1. — Revue de quinzaine, M. Zevort. — Les essais de Montaigne; notre bibliographie, M. Gustave Allais. — Agrégation de l'enseignement spécial en 1887; Bibliographie spéciale. — L'anglais, langue complémentaire de l'allemand, M. G. S.

*Revista de la association de Maestros*, October (Buenos Aires). — Horarios escolares (carta de Berra). — Reformas escolares, conferencia por el profesor normal Pablo A. Pizzurno. — Las reuniones pedagógicas y los horarios. — Una estatua a Pestalozzi. — Parásitos de la educacion (artículo dedicado á todos los superintendentes). — Indicaciones útiles á los maestros.

*Rivista pedagogica italiana*, Dec. 15. — Un' inchiesta psicologica sull' infanzia, E. Mortelli — Militarizzazione o semi-militarizzamento dei convitti nazionali, A. Gelmini. — I lavoro manuale nella scuola popolare (continuazione e fine), C. Grimaldi. — Sul passaggio delle scuole elementari allo stato. — Poche osservazioni di un maestro elementare, A. Gnutti. — Dalle varie provincie del regno. — L'istruzione primaria in Livorno, Plinio. — Qua e la frai programmi didattici, F. Veniali. — Libri e giornali. — Intorno all' insegnamento agrario nelle scuole rurali. — Le scienze naturali nelle scuole elementari.

*Zeitschrift für Schul-geographie*, January. — Die Verwertung deutscher Dichtung und Sage für den geographischen Unterricht, S. Gorge. — Der erdkundliche Unterricht an den höheren Mädchen-schulen in Deutschland. — Winnipeg. — Repertorium der methodischen Literatur. — Reliefkarten. — Notizen, Zeitschriften, u.s.w.

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**Educational articles in miscellaneous periodicals.**


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Alternative to socialism, the. Unsigned. *London quarterly review*, January.

Droit naturel et la science sociale, le. M. H. Joly, *Nouvelle revue*, Jan. 1.

Enseignement secondaire et les dernières réformes, l'. M. Gabriel Compayré. *La revue generale*, Jan. 1.

Faith and physical science. W. H. Mallock, *Forum*, February.

Generalizations of science, the. Prof. C. L. Morgan, *Mind*, January.

How I was educated. Andrew D. White. *Forum*, February.

Laws of habit, the. Prof. William James. *Popular science monthly*, February.

McCosh, James, the president of Princeton college. *Century magazine*, February.

Méthode expérimentale chez les anciens, la. V. Brochard. *Revue philosophique*, January.

Mouvement intellectuel, le. MM. Frary et Bourget. *Nouvelle revue*, Jan. 1.

Pensée, la. A. Gautier. *Revue scientifique*, Jan. 1.

Physiological selection. George J. Romanes. *Nineteenth century*, January.

Political economy in America. Dr. R. T. Ely. *North American review*, February.

Question du Latin en Allemagne, la. M. Schwiedland. *Revue scientifique*, Jan. 1.

Ranke and his method. Dr. J. H. W. Stuckenberg. *Andover review*, February.

Religious exercises in state schools. Prof. N. R. Davis. *Forum*, February.

Renan's later works. Andrew Lang. *Fortnightly review*, January.

Schools as prisons and prisons as schools. Lord Norton. *Nineteenth century*, January.

School of English literature, a. Unsigned. *Quarterly review*, January.

Science in religious education. Daniel G. Thompson. *Popular science monthly*, February.

Spencer's 'Unknowable.' Unsigned. *Scottish review*, January.

University of London, the. Unsigned. *Quarterly review*, January.

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**Publications received at Editor's Office, Feb. 7-12.**


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BASTIAN, A. Die Seele indischer und hellenischer Philosophie in den Gespenstern moderner Geisteslehre. Berlin, Weidmann. 223 p. 12°. (New York, Stechert, \$2.20.)

BAUMGARTEN, P. Lehrbuch der pathologischen Mykologie. Hälfte i. Braunschweig, Bruhn. 220 p. 8°. (New York, Stechert, \$2.20.)

BAUNACK, J. und T. Studien auf dem Gebiete des griechischen und der arischen Sprachen. Band i. teil i. Leipzig, Hirzel. 218 p. 8°. (New York, Stechert, \$2.20.)

BAYLEY, W. S. A summary of progress in mineralogy and petrography, in 1886. Philadelphia, Amer. nat. [40] p. 12°.

COLLITZ, H. Die neueste Sprachforschung und die Erklärung des indogermanischen Ablautes. Göttingen, Vandenhoeck & Ruprecht. 40 p. 8°. (New York, Stechert, 60 cents.)

COMPAYRÉ, G. Eléments d'instruction morale et civique. 65th ed. Paris, Delaplane. 207 p. 16°.

— Same. Récits, exemples, préceptes, paraboles, fables. 100th ed. Paris, Delaplane. 138 p. 16°.

— Notions élémentaires de psychologie. Paris, Delaplane. 299 p. 12°.

DAHL, F. Die Nothwendigkeit der Religion, eine letzte Konsequenz der darwinschen Lehre. Heidelberg, Weiss. 112 p. 8°. (New York, Stechert, 75 cents.)

DIEDERICH, A. Unsere Selbst- und Schmelz-laute (auch die englischen) in neuem Lichte. Strassburg, Trübner. 315 p. 8°. (New York, Stechert, \$1.90.)

DU BOIS-REYMOND, E. Reden von. Zweite folge. Biographie, Wissenschaft, Ansprachen. Leipzig, Veit. 589 p. 8°. (New York, Stechert, \$3.30.)

ELSAS, A. Ueber die Psychophysik. Marburg, N. G. Elwert. 76 p. 8°. (New York, Stechert, 75 cents.)

FREY, T. Zur Bekämpfung zweitausendjähriger Irrthümer. Leipzig, Fritsch. 84 p. 8°. (New York, Stechert, 55 cents.)

FRITZ, J. Aus antiker Weltanschauung. Hagen i. W., Risel. 433 p. 8°. (New York, Stechert, \$2.60.)

- GAENGE, C. *Lehrbuch der angewandten Optik in der Chemie*. Braunschweig, Vieweg. 463 p. 8°. (New York, Stechert, \$6.60.)
- GROEBER, G. *Grundriss der romanischen Philologie*. Lief. i. Strassburg, Trübner. 280 p. 8°. (New York, Stechert, \$1.50.)
- GUSSFELDT, P. *In den Hochalpen*, 2d ed. Berlin, Allgemeiner Verein für deutsche Literatur. 349 p. 12°. (New York, Stechert, \$2.20.)
- HERING, E. *Ueber Newton's Gesetz der Farbenmischung*. Prag, Tempsky. 92 p. 8°. (New York, Stechert, 55 cents.)
- HILGARD, E. W. *Alkali lands, irrigation and drainage in their mutual relations*. Sacramento, State. 45 p. 8°
- HILGENFELD, D. A. *Judenthum und Judenthenthum, eine Nachlese zu der "Ketzergeschichte des Urchristenthums"*. Leipzig, Reisland. 122 p. 8° (New York, Stechert, 90 cents.)
- JACOBSEN, O. *Die Glycoside*. Breslau, Trewendt. 174 p. 12°. (New York, Stechert, 70 cents.)
- KOHL, F. G. *Die Transpiration der Pflanzen und ihre Einwirkung auf die Ausbildung pflanzlicher Gewebe*. Braunschweig, Bruhn. 124 p. 8°. (New York, Stechert, \$3.30.)
- LANG, L. *Die geschichtliche Entwicklung des Bewegungsbegriffes und ihr voraussichtliches Endergebniss*. Leipzig Fingelmann. 141 p. 8°. (New York, Stechert, \$1.10.)
- MEUSEL, E. *Die Quellkraft der Rhodanate und die Quellung als Ursache fermentartiger Reaktionen*. Gera, Reisewitz. 36 p. 8°. (New York, Stechert, 55 cents.)

### Calendar of Societies.

#### *Philosophical society, Washington.*

*Feb. 12.*—H. A. Hazen, The sky-glows of 1883; Bailey Willis, Bay's Mountains, Tennessee; G. Brown Goode, The geographical distribution of scientific men and institutions in the United States.

#### *Chemical society, Washington.*

*Feb. 10.*—R. B. Riggs and J. E. Whitfield, on some new meteorites; C. A. Crampton, Analysis of sugar-cane and beet-juices, etc.

#### *Torrey botanical club, New York.*

*Feb. 8.*—F. J. H. Merrill, Exhibition of plants collected at Tampa and Key West, Fla., and Collin and Robertson counties, Tex., in 1886.

#### *Boston scientific society.*

*Feb. 8.*—Some errors in relation to the art of the mound-builders; A splendid meteor; Furs out of season; S. Garman, On Massachusetts snakes.

#### *Sedalia natural history society.*

*Nov. 8.*—G. C. Broadhead, The geology of western Missouri.

*Dec. 13.*—H. M. Specking, Natural history and the use of the microscope.

*Jan. 10, 1887.*—F. A. Sampson exhibited a fine skull of the Coryphodon; Mrs. C. Demuth, Reptiles,

*Election of officers.*—President, Dr. J. W. Trader; vice-president, H. C. Sinnett; corresponding secretary, F. A. Sampson; recording secretary, J. W. Walker.

#### *Missouri university club, Columbia.*

*Feb. 7.*—R. E. Call, The present status of the doctrine of descent.

### Advertised Books of Reference.

**MAMMALS OF THE ADIRONDACKS.** By Dr. C. Hart Merriam. Contains an introductory chapter treating of the location and boundaries of the region, its geographical history, topography, climate, general features, botany, and faunal position. This work consists, in the first place, of a general account of the prominent features of the Adirondack region; and, secondly, of a popular narrative of the habits of the animals found within its confines. Imp. 8vo. \$3.50. Henry Holt & Co., New York.

**ANNALS OF MATHEMATICS.** Edited by Ormond Stone and William M. Thornton. Office of Publication: University of Virginia. \$2 per vol. of 6 nos.

**THE STANDARD NATURAL HISTORY.** By all the leading American scientists. Edited by J. S. Kingsley, Ph.D. Vol. I. Lower Invertebrates. Vol. II. Crustacea and Insects. Vol. III. Fishes and Reptiles. Vol. IV. Birds. Vol. V. Mammals. Vol. VI. Man. 6 vols., nearly 2,500 illustrations and 3,000 pages. Imp. 8vo, cloth, \$36.00; half morocco, \$48.00. S. E. Cassino & Co. (Bradlee Whidden), Publishers, Boston.

**THE BUTTERFLIES OF THE EASTERN UNITED STATES.** For the use of classes in zoölogy and private students. By G. H. French, A.M. Illustrated by 93 engravings and a map of the territory represented. Large 12mo. Cloth. \$2.00. J. B. Lippincott Company, Pubs., Philadelphia.

**LIPPINCOTT'S BIOGRAPHICAL DICTIONARY.** A new, thoroughly revised, and greatly enlarged edition. A universal pronouncing dictionary of biography and mythology. Containing complete and concise biographical sketches of the eminent persons of all ages and countries. By J. Thomas, M.D., LL.D. Imperial 8vo, 2,550 pages. Sheep. \$12.00. J. B. Lippincott Company, Pubs., Philadelphia.

**MANUAL OF THE BOTANY OF THE ROCKY MOUNTAINS.** Coulter (Wabash Coll.), 8vo., 49 pp. \$1.85. Ivison, Blakeman, Taylor & Co., Pubs., New York.

**STRUCTURAL BOTANY;** or, Organography on the basis of Morphology; the principles of Taxonomy and Phytography and a Glossary of Botanical terms. Gray (Harvard), 8vo., 454 pp. \$2.30. Ivison, Blakeman, Taylor & Co., Pubs. New York.

**INSTRUCTION FOR THE DETERMINATION OF ROCK-FORMING MINERALS.** By Dr. Eugen Hussak, Privat Docent in the University of Grau. Translated from the German by Erastus G. Smith, Professor of Chemistry and Mineralogy, Beloit College. With 103 plates, 8vo, cloth. \$3.00. John Wiley & Sons, Pubs., Astor Place, New York.

**INSECTS INJURIOUS TO FRUITS.** By Prof. William Saunders, F.R.S.C. Handsomely illustrated with 440 wood engravings. Crown, 8vo. Cloth. \$3. J. B. Lippincott Company Pubs., Philadelphia.

**WILSON.—AMERICAN ORNITHOLOGY;** or, The Natural History of the Birds of the United States. By Alexander Wilson. With a life of the author, by George Ord, F.R.S. With continuation by Charles Lucien Bonaparte (Prince of Musignano). POPULAR EDITION, complete in one volume with 385 figures of birds. Imp. 8vo. Cloth, \$7.50. Half Turkey mor., \$12.50. Porter & Coates, Philadelphia.

**THE INTERNATIONAL CYCLOPEDIA.** The best for popular use and specially adapted for ready reference. Fifteen royal 8vo volumes. 13,296 pages, 49,649 leading titles. Sold only by subscription. *Capable salesmen wanted.* Dodd, Mead & Co., Pubs., New York.

**GEOLOGY, CHEMICAL, PHYSICAL, AND STRATIGRAPHICAL.** By Joseph Prestwich, M.B., F.R.S., F.G.S. Correspondent of the Institute of France, Professor of geology in the University of Oxford. In two vols. Vol. 1.: Chemical and Physical. 8vo. \$6.25. (Oxford University Press.) Macmillan & Co., Pubs., New York.

**SCRIBNER'S STATISTICAL ATLAS OF THE UNITED STATES:** Showing by Graphic Methods their Present Condition, and their Political, Social, and Industrial Development, as Determined by the Reports of the Tenth Census, the Bureau of Statistics, the Commissioner of Education, State Officials, and other Authoritative Sources. 120 Pages Text, 151 plates (31 double), 279 Maps (22 folio), 969 Charts and Diagrams. Sold only by Subscription. Descriptive circular sent on application. Charles Scribner's Sons, Pubs., 743 and 745 Broadway, New York.

**ENCYCLOPÆDIA OF CHEMISTRY.** Theoretical, practical, and analytical, as applied to the arts and manufactures. By Writers of Eminence. Profusely and handsomely illustrated. In two volumes. Each containing 25 steel-plate engravings and numerous woodcuts. Imperial 8vo. Price per set: Extra cloth. \$15.00. Library sheep, \$18.00. Half morocco, \$20.00. J. B. Lippincott Company, Pubs., Philadelphia.

**HOURS WITH THE BIBLE,** or the Scriptures in the Light of Modern Discovery and Knowledge. By Rev. Cunningham Geikie, D. D. The series covers the whole of the Old Testament. 6 vol. 12°. Cloth, with illustrations and index. Sold separately, and each complete and distinct in itself. \$1.50 per vol. James Pott & Co., Pubs., New York.

**SCIENCE ECONOMIC DISCUSSION.** A controversy between the adherents of the old and new schools of political economy regarding their main points of difference, by Henry C. Adams, Richard T. Ely, Arthur T. Hadley, E. J. James, Simon Newcomb, Simon N. Patten, Edwin R. A. Seligman, Richmond M. Smith, and Frank W. Taussig. 12mo. Paper, 50 cts. Science Company, Pubs., New York.

**PHYSIOLOGICAL BOTANY:** I. Outlines of the Histology of Phaenogamous Plants; II. Vegetable Physiology. Goodale (Harvard), 8vo., 560 pp. \$2.30. Ivison, Blakeman, Taylor & Co., Pubs., New York.